

January 20, 1960

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Dear Joshua and Esther:

I have finally gotten into my new laboratory facilities and can settle down to work in greater earnest, although we have been limping along during the construction. I'll append our latest "map" which has been strengthened by additional experiments and represents the pooling of data requested by Armitage.

With regard to position effect heterogenotes, we have obtained the following since last I wrote:

(1)	2 ⁻	--x	3 ⁻
(2)	1 ⁻	--x	3 ⁻
(3)	6 ⁻	--x	3 ⁻
(4)	1 ⁻	--x	9 ⁻
(5)	4 ⁻	--x	9 ⁻
(6)	2 ⁻	--x	9 ⁻
(7)	6 ⁻	--x	9 ⁻
(8)	7 ⁻	--x	9 ⁻

This confirms Esther's previous isolation of these genotypes. However, in the case of 6⁻ --x 3⁻, one of 34 transductions resulted in a PE heterogenote, the others were all gal⁺, and some of the others are similar to this. I don't know what the chances are of missing a PE colony when one streaks out the partially gal⁺ colony representing the transduction initially, but the studies of 1, 4, 6, 7, that I have made previously gave results such as 20 of 20 4⁻ --x 1⁻ yielded PE colonies in the first streaks. Gal 4 --x Gal 7, and the reciprocal are characterized by the fact that none of some 200 transductions showed PE colonies in the first streak and I have had Gal⁺ heterogenotes containing both Gal₄⁻ and Gal₇⁻. As I have not as yet obtained Gal₃ and Gal₉ HFT's, I have not been able to check to see if the Gal⁺ transductants obtained in the various instances, contain both exo- and endogenetic Gal⁻. This has also restricted my three point tests, but will eventually overcome.

(2)

What I believe must be explained is why do some transductions yield Gal⁺ clones rather than PE more frequently than others.

With regard to our proposed trip to California, Margaret's spring vacation is the week of April 10th, which is most inconvenient. Perhaps you should advise of a week in later April or May when you will be there and we can make arrangements for Margaret to get her school work in advance. She has been looking forward to "our California trip" and is eager to go. As I plan to give a paper at the SAB meeting May 1 - 5, I will be able only to use part of that week for a Stanford trip, which part depending upon when my paper is scheduled. Earlier than this, I must go to Philadelphia Feb. 24-26; Purdue Feb. 28-Mar. 1; and New York Mar. 2-4; so these dates are out.

I heard recently that Alec Bernstein will most likely take the position at Tulane that was offered him and plans to visit in New Orleans to see the place the first week in February. I tried to get him to visit here also but neither he nor I have the travel funds.

I have a problem on which I have been sitting for a month or so. Bob Wright wrote me of a Barney Egan, whom he thought might want to come to the U.S.A. for a Ph.D. after his M.S. in March, 1960. He looks like a good prospect (I have his grades, etc) but I don't really believe I would be doing him a service by taking him on here as a graduate student. Have you heard of him or would you be interested in him? I believe he is associated with Holloway at the moment.

Sincerely,

MLM:lbm